

SEQUENCE LISTING

hKir5.1 amino acid sequence (SEQ ID NO:1)

5 MSYYGSSYHIINADAKYPGPPEHHIAEKRRARRRLLHKDGSNCNVYFKHIFGEWGSY
VVDIFTTLVDTKWRHMFVIFSLSYILSWLIFGSVFWLIAFHGDDLNDPDTPCVDNV
HSFTGAFLFSLETQTTIGYGYRCVTEECVAVLMVILQSILSCIINTFIIGAALAKMATA
RKRAQTIRFSYFALIGMRDGKLCMLWRIGDFRPNHVVEGTVRAQLLRYTEDSEGRM
TMAFKDLKL VNDQIILVTPVTIVHEIDHESPLYALDRKAVAKDNFEILVTFIYTGDSTG
10 TSHQSRSSYVPRXILWGHRFNDVLEVKRKYKVNCLQFEGSVEVYAPFCSAKQLDW
KDQQLHIEKAPPVRESCTSDTKARRRSFSAVAIVSSW

hKir5.1 nucleotide sequence (SEQ ID NO:2)

15 TTACTACTACAAAACCTCACCTGGATCCCTAAGGGCACAGCAAAGAATGAGCTATT
ACGGCAGCAGCTATCATATTATCAATGCGGACGCAAATACCCAGGCTACCCGC
CAGAGCACATTATAGCTGAGAAGAGAAGAGCAAGAAGACGATTACTTCACAAAG
ATGGCAGCTGTAATGTCTACTTCAAGCACATTTTTGGAGAATGGGGAAGCTATGT
GGTTGACATCTTCACCACTCTTGTGGACACCAAGTGGCGCCATATGTTTGTGATA
20 TTTTCTTTATCTTATATTCTCTCGTGGTTGATATTTGGCTCTGTCTTTTGGCTCATA
GCCTTTCATCATGGCGATCTATTAAATGATCCAGACATCACACCTTGTGTTGACA
ACGTCCATTCTTTCACAGGGGCCTTTTTGTTCTCCCTAGAGACCCAAACCACCAT
AGGATATGGTTATCGCTGTGTTACTGAAGAATGTTCTGTGGCCGTGCTCATGGTG
ATCCTCCAGTCCATCTTAAGTTGCATCATAAATACTTTATCATTGGAGCTGCCTT
25 GGCCAAAATGGCAACTGCTCGAAAGAGAGCCCAAACCATTCGTTTCAGCTACTTT
GCACTTATAGGTATGAGAGATGGGAAGCTTTGCCTCATGTGGCGCATTGGTGATT
TTCGGCCAAACCACGTGGTAGAAGGAACAGTTAGAGCCCAACTTCTCCGCTATAC
AGAAGACAGTGAAGGGAGGATGACGATGGCATTTAAGACCTCAAATTAGTCAA
CGACCAAATCATCCTGGTCACCCCGGTAAGTATTGTCATGAAATTGACCATGAG
30 AGCCCTCTGTATGCCCTTGACCGCAAAGCAGTAGCCAAAGATAACTTTGAGATTT
TGGTGACATTTATCTATACTGGTGATTCCACTGGAACATCTCACCAATCTAGAAG

CTCCTATGTTCCCCGARAAATTCTCTGGGGCCATAGGTTTAATGATGTCTTGGA
GTTAAGAGGAAGTATTACAAAGTGAAGTCTTACAGTTTGAAGGAAGTGTGGAA
GTATATGCCCCCTTTTGCAGTGCCAAGCAATTGGACTGGAAAGACCAGCAGCTCC
ACATAGAAAAAGCACCACCAGTTCGAGAATCCTGCACGTCGGACACCAAGGCGA
5 GACGAAGGTCATTTAGTGCAGTTGCCATTGTCAGCAGCTGGTGAAAACCCTGAG
GAGACCACCACTTTTCGCCACACATGAATATAGGGAAACACCTTATCAGAAAGCT
CTCCCTGACTTTAAACAXGAATCCTCTGTWGAATCCCAAATGTTAGTCCTAAAAT
TGCAATTATGAGGGCTACCACTGAATCATTTTATCTTTCAGCCAATCAAGTCGTT
GTAAACGTGGCTTTTTTTGAAAGTGTTATGGCTATGTTTTATGATGATGCTGGGTAA
10 GTAGAGTAAGTTAAACTTGGTAAAAGATAATCTAAAAATTCCATAGTTCTCAGTT
ATTAAAATTTTTCTTGTTCCGGAATTC

Sub
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